

Team (BJW)^2

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Softdev1 pd07

P00 -- The Plan

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## I. Component map

### A. Database Management

1. Implement databases using SQLite3 library in Python

### B. Login/Authorization System

1. Implemented with Flask and Python script

### C. Front-end user experience design

1. Implemented with Jinja and HTML
2. Templates

## II. Site map

### A. Sign up page

1. For any user that would like to use the site, they must register. If they try to log in and get their login information wrong they will have the option of signing up.
2. Includes link to Login page

### B. Log in (if not logged in, link to sign up):

1. Checks to see if the user exists and if the password matches the one in the system.
  - If they are logged in, it redirects them to the View all stories page.
  - Otherwise an error message will appear or user will be allowed to sign up.
2. Includes link to Sign Up page

### C. View all stories\*

1. A user can select a story (link) that they would like to read/edit and then it will redirect them to the Read Chosen Story page
2. A user can see stories they have contributed to (using different colored links)
3. Includes link to Compose New Story if the user wishes to start a brand new story.

### D. Read Chosen Story\*

1. Displays entirety of chosen story.
2. Includes links to Edit, View All, and Compose New Story pages.

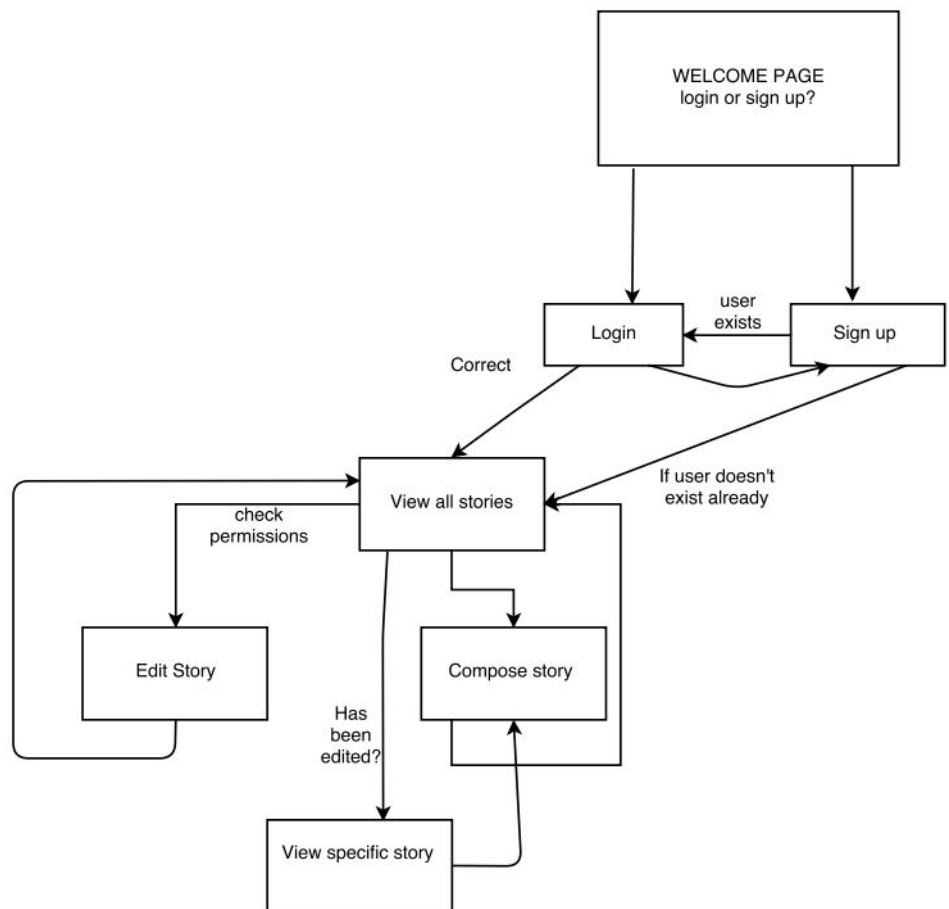
### E. Edit Chosen Story\*

1. If the user has never added to the story before, then the page only displays the latest update to the story
  - If they HAVE contributed to the story, redirects to Read Chosen Story and displays message telling them they can't contribute again.
2. Below the latest update is a form entry slot where the user can add text they wish to contribute to the story.
3. Once the user has added to the story, they cannot add to it again, but they can read the new story in its entirety.

#### F. Compose New Story

1. Form entry slot where the user can add text and title for their new story.

#### G. Sitemap:



1.

### III. Database schema

- A. Accounts : stores all accounts in the wiki, updates every time a new account is created

1. *User | Hashed Password | list of stories*
  - B. Stories : lists all stories on website, updates every time a new story is created
    1. *ID | Story Title | Page Link*
      - Unique ID in case titles are the same and will be used to keep track of who edited which story
  - C. Story Title : each story in the database will have its own table, updates every time user adds to the story
    1. *User | Update*
- IV. Task division
- A. Project manager: Joyce Wu
  - B. Templates/HTML/Front-end stuff: Bayan Berri
  - C. Sqlite3/Databases: Jennifer Zhang
  - D. Flask/Jinja: Taylor Wong

\* = verify login (if not logged in, redirect to login)